

# Mobile Xtra Tracker



## Situation

India based firm had Symbian S60 series application developed. Functionality of this application was much more than a typical mobile tracker facility. This software was to be built for S40 devices which supports only J2ME for application development. Support for other manufacturers (e.g. Blackberry) later was also part of their requirement.

The company approached Aftek for developing the software from scratch.

## Expected Feature Set

- ▶ Send SMS on detecting mobile stolen
- ▶ Incremental synchronization of contacts & files on server
- ▶ Protection of private data
- ▶ Retrieve Phonebook
- ▶ Raise alarm and disable phone when stolen
- ▶ Data-backup on server
- ▶ Compatibility Checker Utility

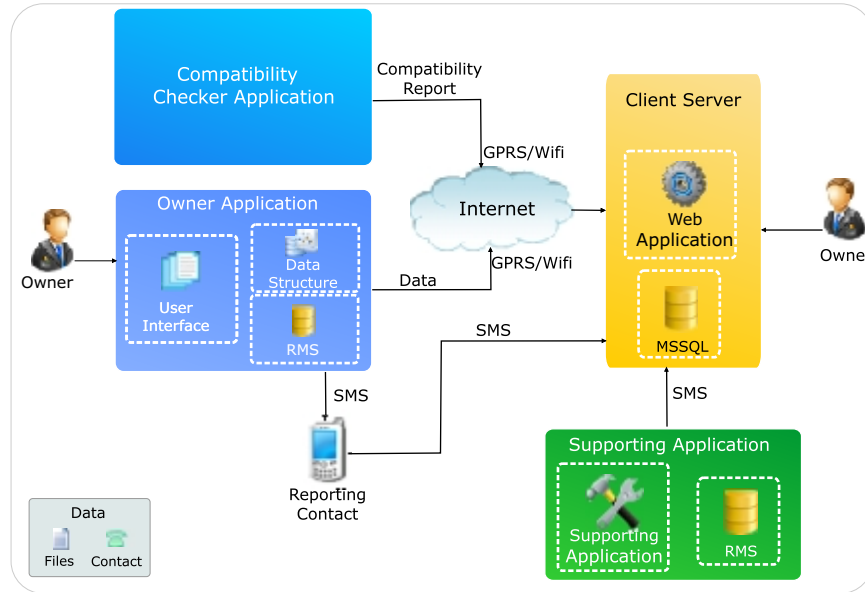
## Solution

Aftek understood concept of the software thoroughly with client personnel. Aftek recommended additional features to client to bring in more Unique Selling Points (USP) in their existing products like – synchronization of data over GPRS with server. System was developed as per baselined requirements.

Aftek recommended Flex based web access to the device owners for tracking the mobiles and was highly appreciated by client.

Since mobile devices are designed considering low storage capacity, user can synchronize the data from mobile to a central server. This data is not visible to any thief since it is located on server in secured fashion instead of mobile after synchronization. In addition, Compatibility Checker Utility was recommended and built. Aftek did research of required JSRs to fulfill requirements up-front at the start of engagement. This helped the client to build supported device list.

Execution was carried out in two distinct phases – (I) for development and delivery on S40 series phones (II) concentrating on post delivery testing services and extending device support to other manufacturers like Blackberry. Weekly status updates with status calls were conducted to keep all stake-holders up-to-date. Weekly builds were given for early trials and feedback from the customer.



## Aftek's value-add

- 1 Flex based web portal for mobile owners was recommended and accepted.
- 2 J2ME and Flex components from Aftek Component Library re-used to make development faster.
- 3 Research & Development (R&D) for specific JSR and manufacturer specific APIs to deliver working software.
- 4 Provided assistance for certification and application signing process.
- 5 Porting efforts on different manufacturers (e.g. Blackberry) are minimized.

## Technology

- ▶ Flex
- ▶ J2ME (MIDP/CLDC)
- ▶ MMAPI (JSR 135)
- ▶ WMA (JSR 120)
- ▶ PIM (JSR 75)
- ▶ MTA (JSR 253)
- ▶ SATSA (JSR 177)
- ▶ Location API (JSR 179)
- ▶ J2EE (JSP/Servlets)
- ▶ MSSQL database